

ABSTRACT OF THE DISCLOSURE

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A stator for a alternator is provided wherein a height of coil ends may be reduced and it is difficult for conductors to interfere with each other at coil ends. A stator coil 18 thereof comprising wire-shaped conductors wound so as to alternately occupy an inner layer and an outer layer in a slot depth direction within the slots at intervals of a predetermined number of slots, the conductors being bent back outside the slots at axial end surfaces of a stator core 17 to form a plurality of turn portions, the plurality of turn portions being bent back in a similar shape inclined with respect to an outer circumferential surface of the stator core 17 and so as to align in rows in a circumferential direction to form coil end groups 19, and, a cross-section of at least a principal portion of the stator coil 18 inside the slots is approximately rectangular, a cross-section of at least a portion including end portions of the coil ends 19 is approximately circular or approximately elliptic, and a cross-sectional area of the approximately rectangular cross-sectional portion differs from that of the approximately circular cross-sectional portion or the approximately elliptic cross-sectional portion.